

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **52148495 A**

(43) Date of publication of application: **09.12.77**

(51) Int. Cl. **B01J 23/78**  
**// B01D 53/34**  
**C01B 21/02**  
**F01N 3/15**

(21) Application number: **51084835**

(22) Date of filing: **04.06.78**

(71) Applicant: **UBE IND LTD**

(72) Inventor: **UMEMURA YOSHIO**  
**MIZUNO HISAYUKI**  
**OGAWA TORU**

(54) **NO<sub>x</sub> REDUCTION AND PURIFICATION CATALYST** producing a little byproduct NH<sub>3</sub> and comprising Ni, Cu, alkaline earth metals, Ru, and oxygen.

(57) Abstract:

PURPOSE: A NO<sub>x</sub> reduction and purification catalyst with excellent activity at low temp. and heat resistance

COPYRIGHT: (C)1977,JPO&Japio